



PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO			Complete if Known		
			Application Number	10/044,522	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Filing Date	January 11, 2002	
			First Named Inventor	Stanley S. Toncich	
			Art Unit	2817	
			Examiner Name	To Be Assigned	
Sheet	1	of	6	Attorney Docket Number	UTL 00191

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)				
m	1	US-	5,729,239	03-17-1998	Rao, Jaganmohan B.L.	Abstract, Fig. 1
	2	US-	6,049,726	04-11-2000	Gruenwald, Werner, et al.	
	3	US-	6,160,524	12-12-2000	Wilber, William	
	4	US-	6,198,441 B1	03-06-2001	Okabe, Hiroshi	
	5	US-	6,028,561	02-22-2000	Takei, Ken	
	6	US-	5,973,567	10-26-1999	Heal, Mark D., et al.	
	7	US-	4,475,108	10-02-1984	Moser, Kenneth R.	
	8	US-	3,678,305	07-18-1972	George, Edward	
	9	US-	3,918,012	11-04-1975	Peuzin, Jean Claude	
	10	US-	5,450,092	09-12-1995	Das, Satyendranath	
	11	US-	6,333,719 B1	12-25-2001	Varadan, Vijay K.	
	12	US-	5,212,463	05-18-1993	Babbitt, Richard W., et al.	
	13	US-	4,733,328	03-22-1988	Blazej, Daniel C.	
	14	US-	5,617,104	04-01-1997	Das, Satyendranath	
	15	US-	5,307,033	04-26-1994	Koscica, Thomas E., et al.	
	16	US-	5,427,988	06-27-1995	Sengupta, Louise, et al.	
	17	US-	5,557,286	09-17-1996	Varadan, Vijay K., et al.	
	18	US-	5,561,407	10-01-1996	Koscica, Thomas E., et al.	
	19	US-	5,589,845	12-31-1996	Yandrofski, Robert M.	
	20	US-	5,496,795	03-05-1996	Das, Satyendranath	

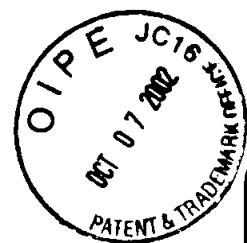
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. 1	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	-Number ⁴ - Kind Code ⁵ (if known)				
m	21	WO	00/62367	10-19-2000	Carlsson, Erik, et al.	Abstract, Fig. 1	
	22	JP	29-05-00 2001338839	07-12-2001	Tsuneo, Mishima		
	23	EP	0 637 131 A1	02-01-1995	Fujita Masanori		
	24	EP	0 843 374 A2	05-20-1998	Muller, Frithjoj E., et al.		
	25	EP	0 638 953 A1	02-15-1995	Yasuoka, et al.		
	26	WO	00/35042	06-15-2000	Sengupta, Louise, et al.		
	27	EP	0 680 108 A1	11-02-1995	Atokawa, Masayuki		
	28	EP	0 881 700 A1	12-02-1998	Atokawa, Masayuki		
	29	WO	00/28613	05-18-2000	Sengupta, Louise, et al.		
	30	DE	40 36 866 A1	07-25-1991	Yamamoto, Masaki		

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		Number - Kind Code ² (if known)			
js	31	us. 6,097,263	08-01-2000	Mueller, Carl H., et al.	Abstract, Fig. 3 Col. 4, lines 3- 31, Fig. 2
	32	us. 5,987,314	11-16-1999	Salto, Atsushi	
	33	us. 5,472,935	12-5-1995	Yandrofski, Robert, et al.	
	34	us. 4,799,066	01-17-1989	Deacon, Malcolm J.	
	35	us. 5,166,857	11-24-1992	Avanic, Branko, et al.	
	36	us. 5,880,921	03-09-1999	Tham, J.L. Julian, et al.	
	37	us. 5,640,042	06-17-1997	Koscica, Thomas E., et al.	
	38	us. 4,835,499	05-30-1989	Pickett, Michael N.	
	39	us. 3,413,543	11-26-1968	Schubring, et al.	
	40	us. 5,945,887	08-31-1999	Makino, Toshihiro, et al.	
	41	us. 5,973,568	10-26-1999	Shapiro, Gary, et al.	
	42	us. 5,216,392	06-01-1993	Fraser, Randall S.	
	43	us. 3,676,803	07-11-1972	Simmons, William J.	
	44	us. 3,836,874	09-17-1974	Maeda, Minoru, et al.	
	45	us. 5,778,308	07-07-1998	Sroka, Peter, et al.	
	46	us. 5,777,524	07-07-1998	Wojewoda, Carl E., et al.	
	47	us. 6,052,036	04-18-2000	Enstrom, Hakan, et al.	
	48	us. 6,292,143 B1	09-18-2001	Romanofsky, Robert R.	
	49	us. 5,617,104	04-01-1997	Das, Satyendranath	
	50	us.			

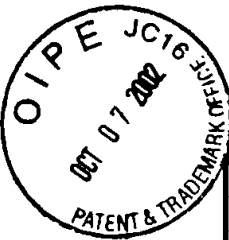
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js	51	EP	1 043 741 A2	10-11-2000	Klee, Mareike, et al.	Col. 8, lines 9-26, Figs. 30-31; p. 14, par. 4, abst., figs. 2, 4, 11
	52	EP	0 795 922 A1	09-17-1997	Tsuru, Teruhisa, et al.	
	53	EP	0 909 024 A2	04-14-1999	Nakamichi, et al.	
	54	WO	00/79648 A1	12-28-2000	Varadan, Vijay K., et al.	
	55	WO	00/79645 A1	12-28-2000	Falk, Kent, et al.	
	56	WO	94/13028	06-09-1994	Yandrofski, et al.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/044,522
		Filing Date	January 11, 2002
		First Named Inventor	Stanley S. Toncich
		Group Art Unit	2817
		Examiner Name	To Be Assigned
		Attorney Docket Number	UTL 00191
Sheet	3	of	6

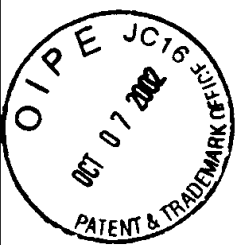
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P	61	A. Presser, "Varactor-Tunable, High-Q Microwave Filter," RCA Review, Vol. 42, Dec. 1981, pp. 691-705.	
	62	C. Chang and T. Itoh, "Microwave Active Filters Based on Coupled Negative Resistance Method," IEEE Trans. on Microwave Theory and Techniques, Vol. 38, No. 12, Dec. 1990, pp. 1879-1884.	
	63	P. Katzin, B. Bedard, and Y. Ayasli, "Narrow-Band MMIC Filters with Automatic Tuning and Q-Factor Control," 1993 IEEE MTT-S Int. Microwave Symp. Digest pp.403-406.	
	64	B. Hopf, I. Wolff, and M. Guglielmi, "Coplanar MMIC Active Bandpass Filters Using Negative Resistance Circuits," 1994 IEEE MTT-S Symposium Digest, pp. 1183-1185.	
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	67	K Fujita, H. Itoh, R. Yamamoto, "A 15.6 GHz Commercially Based 1/8 GaAs Dynamic Presealer," 1989 IEEE GaAs IC Symposium, pp. 113-116.	
	66	J. Smuk, P. Katzin, "MMIC Phase Locked L-S Band Oscillators," 1994 IEEE GaAs Symposium Digest, pp. 27-29.	
	69	S. R. Chandler, I. C. Hunter, and J.G. Gardiner, "Active Varactor Tunable Bandpass Filter," IEEE Microwave and Guided Wave Letters, Vol. 3, No. 3, March 1993, pp. 70-71.	
	70	I. C. Hunter and John D. Rhodes, "Electronically Tunable Microwave Bandpass Filters," IEEE Trans. on MTT, Vol. 30, No. 9, September 1982, pp. 1354-1367.	
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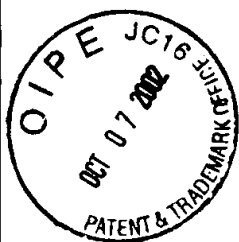
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JS	72	B. Yu. Kapilevich, "Variety of Approaches to Designing Microwave Active Filters," Proc. 27th European Microwave Conf., Jerusalem, Vol. 1, 1997, pp. 397-408.	
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	79	E.S. Kuh and M. Fukada, "Optimum Synthesis of Wide-Band Parametric Amplifiers and Converters," IRE Trans. PCCT-8, December 1961, pp.410-415.	
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	81	R. L. Steven, "Design of a Tunable Multi-Cavity Waveguide Band-Pass Filter," 1959 IRE National Convention Record, Part 3, pp. 91-112.	
JS	82	J.J. Taub and B. F. Bogner, "Design of Three-Resonator Dissipative Band-Pass Filters Having Minimum Insertion Loss," Proc. IRE 45, pp. 681-687 (May 1957).	

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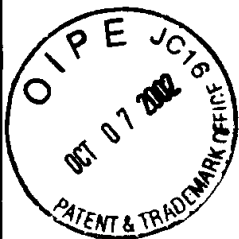
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ms	83	K.L. Kotzebue, "Broadband Electronically-Tunable Microwave Filters," 1960 IRE Wescon Convention Record, Part 1, pp.21-27.	
	84	J.P. Louhos and I. Pankinaho, "Electrical Tuning of Integrated Mobile Phone Antennas," Nokia Mobile Phones, pp. 69- 97 (September 15, 1999).	
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	86	Satoshi Makioka, et al., "A High Efficiency GaAs MCM Power Amplifier for 1.9 GHz Digital Cordless Telephones," IEEE 1994 Microwave and Millimeter-Wave Monolithic Circuits Symposium, pp. 51-54 (1994).	
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	88	Communication Relating to the Results of the Partial International Search: PCT/IB 02/01077 (2002).	
	89	International Search Report: PCT/IB 02/01086 (June 24, 2002).	
	90	International Search Report: PCT/IB 02/01078 (July 10, 2002).	
	91	International Search Report: PCT/IB 02/01087 (July 19, 2002).	
	92	International Search Report: PCT/IB 02/01107 (July 11, 2002).	
A	93	International Search Report: PCT/IB 02/01120 (July 11, 2002).	

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JB	94	International Search Report: PCT/IB 02/01098 (July 4, 2002).	
	95	International Search Report: PCT/IB 02/01082 (July 8, 2002).	
	96	International Search Report: PCT/IB 02/01144 (July 12, 2002).	
	97	International Search Report: PCT/IB 02/01026 (June 28, 2002).	
	98	International Search Report: PCT/IB 02/01027 (June 25, 2002).	
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